



CONTENTS OF VOLUME 115

Vol. 115C, No. 1

Review

B. H. Ali, M. Oukessou and A. K. Bashir

- 1 Pharmacokinetic considerations in the camel (*Camelus dromedarius*): A Review

General Papers

E. A. Hassoun and S. J. Stohs

- 11 TCDD, endrin and lindane induced oxidative stress in fetal and placental tissues on C57BL/6J and DBA/2J mice

T. L. Gilson, A. D. Kennedy and T. Rampersand

- 19 Effects of breed and adipose depot location on responsiveness and sensitivity to adrenergic stimulation in ovine adipose tissue

M. Jallageas and N. Mas

- 27 Balance between opposite effects of short day stimulation and testicular steroid feedback inhibition on pituitary pulsatile LH release in male mink, *Mustela vison*

L. Van Ginneken, S. Comhaire and R. Blust

- 33 Determination of blood content in teleost gills using a liquid scintillation analyser: Procedure for the correction of branchial metal accumulation rates

G. Palladini, S. Ruggeri, F. Stocchi, M. F. De Pandis, G. Venturini and V. Margotta

- 41 A pharmacological study of cocaine activity in planaria

M. Zidane, P. Pondaven, C. Roussakis, B. Quémener and M. T. Moré

- 47 Pachymatemin: A novel cytotoxic factor from the marine sponge (*Pachymatisma johnstonii*)

S. Sánchez-Campos, M. J. Tuñón, P. González, R. Campo, M. C. Ferreras, Y. Manga and J. González-Gallego

- 55 Effects of experimental microcoeliosis on oxidative drug metabolism in hamster liver

J. A. García Sáinz, M. E. Cruz-Muñoz and Ma. T. Romero-Avila

- 61 Characterization of the β_2 adrenoceptors of dog liver

S. Z. Kim, S. H. Kim and K. W. Cho

- 67 Specific binding sites for atrial natriuretic peptide in the freshwater turtle, *Amyda japonica*

N. De Bremaeker, J. Mallefet and F. Baguet

- 75 Luminescence control in the brittlestar *Amphipholis squamata*: Effect of cholinergic drugs

R. Gabbianelli, A. M. Santroni, A. Concetti, A. Kantar and G. Falcioni

- 83 Superoxide anion handling by trout erythrocytes: A chemiluminescence study

T.-C. Chu, J. L. Burch, M. A. de Paula Brotto, T. L. Creazzo, J. Han, G. Y. Han and D. E. Potter

- 89 Elevation of intracellular Ca^{2+} concentration in rabbit nonpigmented ciliary epithelial cells by allicin

E. Chávez, F. Téllez, J. Pichardo, R. Milán, A. Cuéllar, K. Carbajal and D. Cruz

- 95 On the protection by ketorolac of reperfusion-induced heart damage

I Comparative Biochemistry and Physiology C Bibliography

Vol. 115C, No. 2

P. Utarabhand and P. Bunlipatanon

- 101 Plasma vitellogenin of grouper (*Epinephelus malabaricus*): Isolation and properties

M. Mita, I. Yasumasu and Y. Nagahama

- 111 Cyclic AMP-dependent protein kinase in ovarian follicle cells of starfish *Asterina pectinifera*

- S. Haider and S. K. Chaube 117 The *in vitro* effects of forskolin, IBMX and cyanoketone on meiotic maturation in follicle-enclosed catfish (*Clarias batrachus*) oocytes
- J. R. Pedrajas, J. López-Barea and J. Peinado 125 Dieldrin induces peroxisomal enzymes in fish (*Sparus aurata*) liver
- G. Degani, R. Boker and K. Jackson 133 Growth hormone, gonad development, and steroid levels in female carp
- L. Fortun-Lamothe, D. Langin and M. Lafontan 141 Influence of prolactin on *in vivo* and *in vitro* lipolysis in Rabbits
- R. Sarojini, R. Nagabhushanam and M. Fingerman 149 *In vivo* assessment of opioid agonists and antagonists on ovarian maturation in the red swamp crayfish, *Procambarus clarkii*
- R. G. S. Berlinck, C. A. Ogawa, A. M. P. Almeida, M. A. A. Sanchez, E. L. A. Malpezzi, L. V. Costa, E. Hajdu and J. C. de Freitas 155 Chemical and pharmacological characterization of halitoxin from *Amphimedon viridis* (Porifera) from the southeastern Brazilian coast
- M. Haghighat, A. Moetamed, T. Vaseghi and M. Aminlari 165 Isoprenaline induces biosynthesis of proline-rich proteins in the salivary glands of rat but not in sheep
- D. Engelstein, J. Shmueli, S. Bruhis, C. Servadio and A. Abramovici 169 Citral and testosterone interactions in inducing benign and atypical prostatic hyperplasia in rats
- L. A. Polgár, B. Darvas, W. Völkl, P. Porcheron, A. Székács and S. Szelinger 179 Comparison of ecdysteroid concentration in different morphs of aphids

Vol. 115C, No. 3

General Papers

- T. Onaga, M. Uchida, M. Kimura, M. Miyazaki, H. Mineo, S. Kato and R. Zabielski 185 Effect of pituitary adenylate cyclase-activating polypeptide on exocrine and endocrine secretion in the ovine pancreas
- M. Devescovi and Č. Lucu 195 Copper levels during osmotic stress in the shore crab *Carcinus aestuarii*
- M. E. MacKay, J. Raelson and C. B. Lazier 201 Up-regulation of estrogen receptor mRNA and estrogen receptor activity by estradiol in liver of rainbow trout and other teleostean fish
- E. Tanaka, A. Ishikawa, M. Abei and S. Kobayashi 211 Trimethadione as a probe drug to estimate hepatic oxidizing capacity in humans
- S. M. Khoja, A. O. Abuelgassim and O. A. Al-Bar 217 Effect of vanadate on the activity of rat jejunal 6-phosphofructo-1-kinase
- T. Sugimoto, M. Yoshino, M. Nagao, S. Ishii and H. Yabu 223 Voltage-gated ionic channels in cultured rabbit articular chondrocytes
- M. E. Torres-Márquez, M. Macías-Silva and A. Vega-Segura 233 Identification of a functional Gs protein in *Euglena gracilis*
- B. Cymborowski and V. King 239 Circadian regulation of Fos-like expression in the brain of the blow fly *Calliphora vicina*
- H. J. R. Popham and G. M. Chippendale 247 Effect of a hypolipidemic agent on the growth and development of the southwestern corn borer, *Diatraea grandiosella*
- L. Carlsson and C. E. Lundholm 251 Characterisation of the effects of cadmium on the release of calcium and on the activity of some enzymes from neonatal mouse calvaria in culture
- M. J. Rocha and M. A. Reis-Henriques 257 Plasma and urine levels of C₁₈, C₁₉ and C₂₁ steroids in an asynchronous fish, the Tilapia *Oreochromis mossambicus* (Teleostei, Chichlidae)
- M. A. Haseeb, W. B. Solomon and J. F. Palma 265 *Schistosoma mansoni*: Effect of recombinant tumor necrosis factor α on fecundity and [¹⁴C]-tyrosine uptake in females maintained *in vitro*

**T. Zeng, H. Yamamoto, E. Bowen,
R. L. Broverman, K-H. T. Nguyen and
M. G. Humphreys-Beher**

271 Cell cycle control in isoproterenol-induced murine salivary acinar cell proliferation

**W. M. Bandaranayake, J. E. Bemis and
D. J. Bourne**

281 Ultraviolet absorbing pigments from the marine sponge *Dysidea herbacea*:
Isolation and structure of a new mycosporine

